BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of the work: **Estimate for Improvements and Asphalting to Dhanalakshmi Layout roads in Ward No. 09, Vidyaranyapura Sub Division.**

								Estimate Cost:	2000000.00
Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
1	KSRRB 300-1. Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications MORTH chapter 3. **Page No. 138 / Item No. 19.1/ PWD SR 2014-15**	Cum							
	Drain Desilting								
	1st Cross		2	160.00	0.45	0.35	50.40		
	2nd Cross		2	155.00	0.45	0.35	48.83		
	3rd Cross		2	175.00	0.45	0.35	55.13		
	4th Cross		2	180.00	0.45	0.35	56.70		
	Berm Cutting								
	1st Cross		2	160.00	0.90	0.25	72.00		
	2nd Cross		2	155.00	0.90	0.25	69.75		
	3rd Cross		2	175.00	0.90	0.25	78.75		
	4th Cross		2	180.00	0.90	0.25	81.00		
							512.55	75.60	**38749.00**
	Basic Rate	70.00							
	Area Weightage @8%	5.60							
	Total	**75.60**							
2	KSRRB 500-3: Scarifying existing stone metal layer upto 75mm thick along with their bituminous surface, picking up scarified materials and stacking of old serviceable materials with lead of 100m, sequential spreading of the salvaged aggregates with fresh aggregates on prepared base and consolidating as per water bound macadam specifications including cost of all labour, HOM of machineries complete as per specifications. MORTH chapter 5, **No. 157 / Item No. 21.3 / PWD SR 2014-15**	Sqm							
	1st Cross		2	160.00	1.00		320.00		
	2nd Cross		2	155.00	1.20		372.00		
	3rd Cross		2	175.00	1.20		420.00		
	4th Cross		2	180.00	1.20		432.00		
							1544.00	82.94	**128066.00**
	Basic Rate	76.80							
	Area Weightage @ 8%	6.14							
	Total	**82.94**							

Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
3	Providing, laying, spreading and compacting graded stone aggregate to **wet mix macadam** specification including premixing the Material with water at OMC in mechanical mix plant carriage of mixed Material by tipper to site, laying in uniform layers with paver in sub-base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications **Page No. 154 / Item No. 20.18 PWD SR - 2014-15.**	Cum							
	1st Cross		2	160.00	1.00	0.15	48.00		
	2nd Cross		2	155.00	1.20	0.15	55.80		
	3rd Cross		2	175.00	1.20	0.15	63.00		
	4th Cross		2	180.00	1.20	0.15	64.80		
	Road Cutting Portion		18	5.50	1.00	0.15	14.85		
	Filling of Sinked Portions of UGD of Surrounding Ares		20	3.00	1.50	0.15	13.50		
			19	4.80	0.60	0.15	8.21		
			21	3.90	1.20	0.15	14.74		
							282.90		
	Consider 10% for Road Cutting						28.29		
							311.19	1438.56	**447665.00**
	Basic Rate	1332.00							
	Area Weightage @ 8%	106.56							
	Total	**1438.56**							
4	KSRRB 500-1.1 : **Cleaning the existing WBM** road surface including removing of binding materials and other foreign matter with wire bushes and small picks, sweeping with brooms or soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatment including cost of all materials, labour, HOM of machineries, curing complete as per specifications. Specification No. 500-1.3 **P. 157 / I. 21.1 PWDSR 2014-15**	Sqm							
	1st Cross		1	160.00	5.00		800.00		
	2nd Cross		1	155.00	5.00		775.00		
	3rd Cross		1	175.00	5.00		875.00		
	4th Cross		1	180.00	5.00		900.00		
							2450.00	12.20	**29900.00**
	Basic Rate	11.30							3350
	Area Weightage @ 8%	0.90							
	Total	**12.20**							
5	KSRRB M500-6: **Providing and applying primer coat for surfaces of medium porosity** like cement stabilized soil base @ 1.10 Kg/Sqmt over prepared surface with S.S bitumen emulsion using bitumen tanker fitted with spray set (excluding cleaning of road surface) including cost of all material, labour HOM of machineries complete as per specifications. MORTH specification NO. 502, **Page No. 157 / Item No. 21.5 / PWD SR 2014-15**	Sqm							

Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
			Qty Vide Item No. 04				**2450.00**	74.52	**182574.00**
	Basic Rate	69.00							
	Area Weightage @ 8%	5.52							
	Total	**74.52**							
6	KSRRB M500-18: Providing and laying **semi dense bituminous concrete** using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem roller to achieve the desired compaction as per MORTH specifications clause No. 508 complete in all respects as per specifications. **using 100-120 TPH capacity H.M.P with sensor paver grading II (25-30mm) with 5% CRMB-55 grade, No. 160 / Item No. 21.21.2 / PWD SR 2014-15**	Cum							
	1st Cross		1	160.00	5.00	0.025	20.00		
	2nd Cross		1	155.00	5.00	0.025	19.38		
	3rd Cross		1	175.00	5.00	0.025	21.88		
	4th Cross		1	180.00	5.00	0.025	22.50		
							83.75		
	Consider 10% For Depression Filling						8.38		
							92.13	11070.00	**1019824.00**
	Basic Rate	10250.00							
	Area Weightage @ 8%	820.00							
	Total	**11070.00**							
7	KSRRB 3000: **Filling Pot-holes and patch repairs with bituminous concrete, 40 mm,** KSRRB M3000-5, Removal of all failed material, trimming of completed excavation to provide firm vertical faces, cleaning of surface, painting of tack coat on the sides and base of excavation as per clause 500.3 back filling the pot hole with bituminous material as per clause 500.4 compacting, trimming and finishing the surface to form a smooth continuous surface, all as per clause 3004.2 complete as per specifications, MORTH specification No. 3004.2, **No. 247 / Item No. 35.5 PWD SR 2014-15**	Sqm							
	Pot Hole Filling		20	3.00	1.50		90.00		
			19	4.80	0.60		54.72		
			21	3.90	1.20		98.28		
							243.00	428.76	**104189.00**
	Basic Rate	397.00							
	Area Weightage @ 8%	31.76							
	Total	**428.76**							
8	Lead for Disposal of Debris shall be payable at carriage rates by Mechanical means inlcuding loading and unloading. From 0.00 to 2.00 Km (Page No.123)	Cum							

Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
			Vide Item No. 1				384.41	73.57	28281.00
	erage weight of earth 1.28 tonne / kg for 2x1.28x2.00=5.12	5.12							
	Add loading and unloading charges Vide item no.17.1 P.no.130	63.00							
		68.12							
	Area Weightage @ 8%	5.45							
	Total	73.57							
9	Sub Total								1979248.00
10	For Third Part QC inspection Charges @ 1% of Estimate Cost								19792.00
11	Miscellaneous and other Charges	L/S							960.00
								Total	2000000.00
	(Rs. Twenty Lakhs Only)								

CERTIFICATE:

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per PWD SR of 2014-15.
3 This work included under POW Grants 2014-15.
4 The provisions were made in this estimate are necessary and adequate.
5 This works come under B.B.M.P. limits.

Assistant Engineer
W-09

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Vidayranyapura Sub Division

Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division

Admin ... 20.00 Lakh
Twenty lakh Only
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AE/JE
EE (BTP. Div.)

Technical Sanction for Rs. 20.00 Lakh
Twenty lakh only
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BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE, BYATARAYANAPURA DIVISION

Lead Statement for Srinivaspura Dumping Yard for Ward No. 09, Vidyaranyapura Sub Division.

Lead Distance

1.	From BBMP Sub Division office to Devi Circle	1.50 Kms
2.	From Devi Circle to Thirumala Daba	2.00 Kms
3.	From Thirumala Daba to 3rd Cross SBI Bank	2.00 Kms
4.	From 3rd Cross SBI Bank to Sheshadripuram College	0.50 Kms
5.	From Shesadripuram College to Police Station	0.80 Kms
6.	From Police Station to Kogilu Cross	0.60 Kms
7.	From Kogilu Cross to Srinivasapura	4.00 Kms
8.	From Srinivasapura to Dumping Yard	0.50 Kms
	Total	**11.90 Kms**

Certificate:

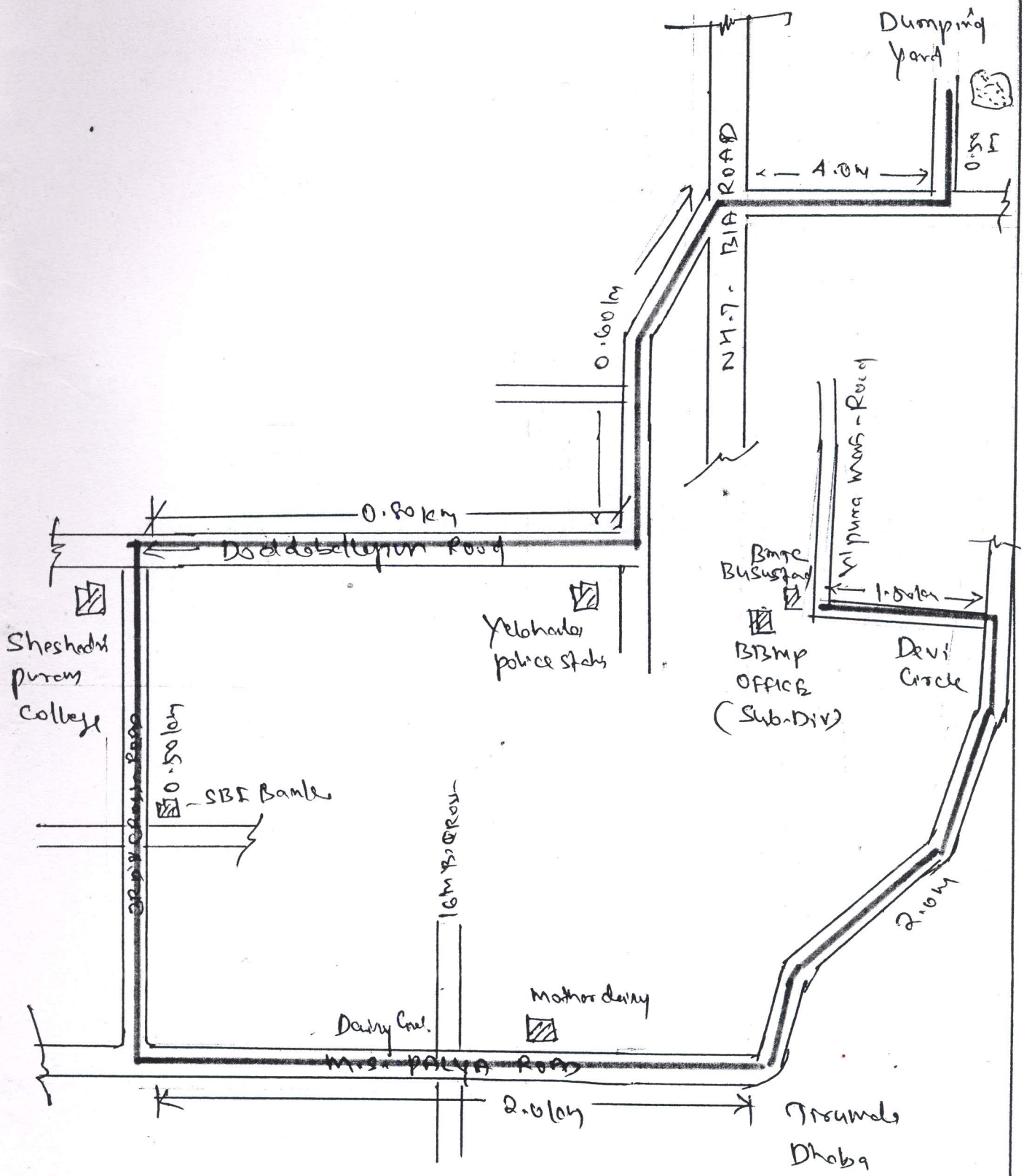
1. Certified that the Srinivasapura Dumping Yard us the approved dumping yard for ward no. 09 BBMP
2. BBMP Sub Division office Vidyaranyapura is taken as the centre place for calculating the lead distance for ward no. 09.
3. The above distance is the shortest distance for calculating the lead.

Assistant Engineer
Ward No. 09

Assistant Executive Engineer
Vidyaranyapura Sub Division

Executive Engineer
Byatarayanapura Division

LEAD CHART FOR DUMPING-YARD FOR WARD NO 09



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